

1/8

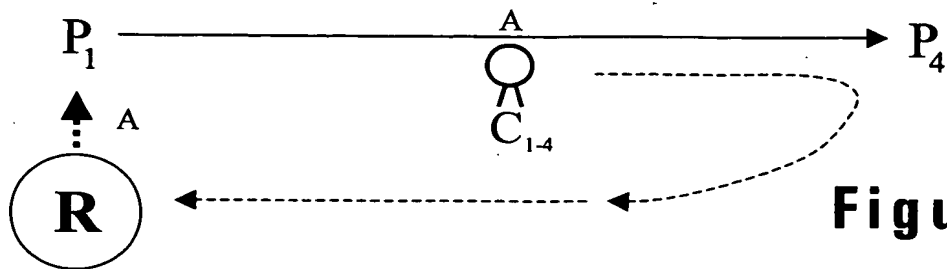


Figure 1

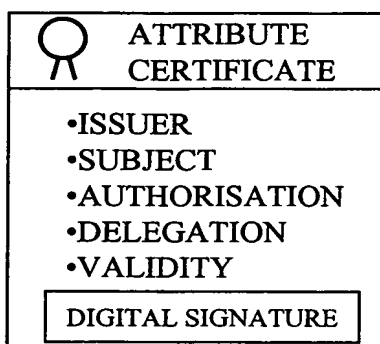
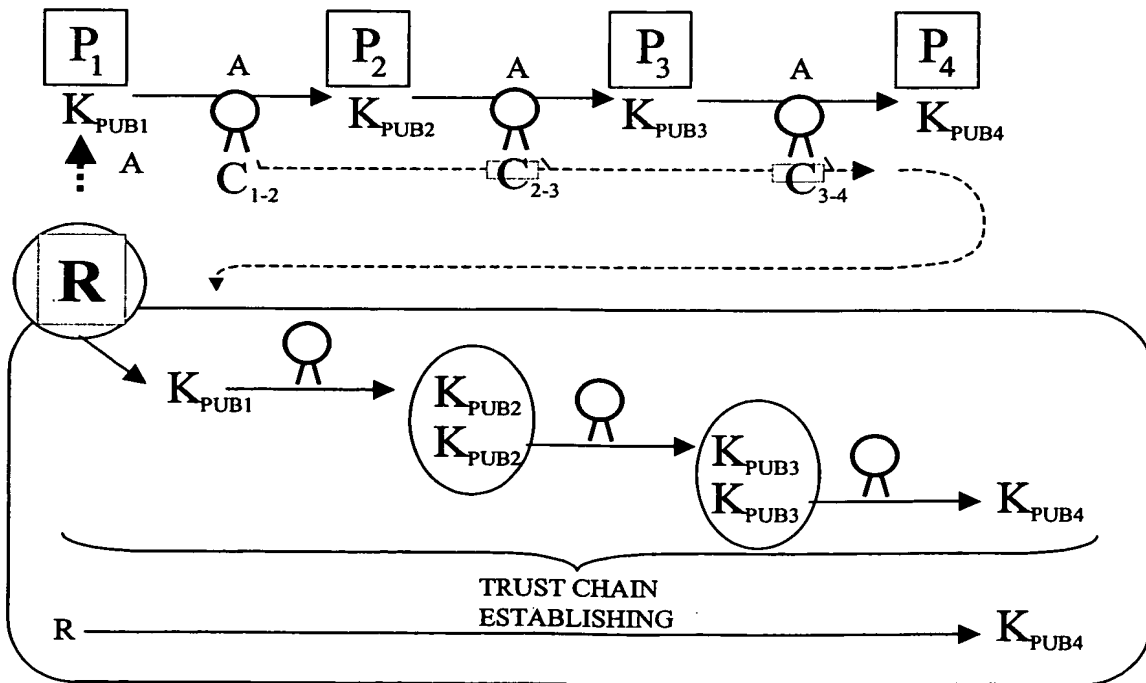


Figure 2

Figure 3



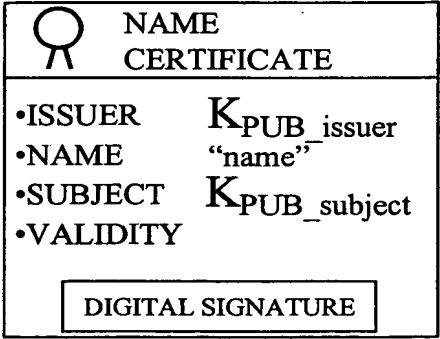


Figure 4

$$K_{PUB_issuer} \cdot \text{"name"} = K_{PUB_subject}$$

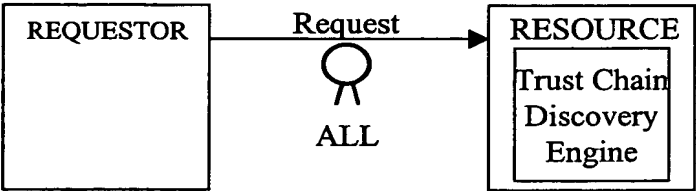


Figure 10

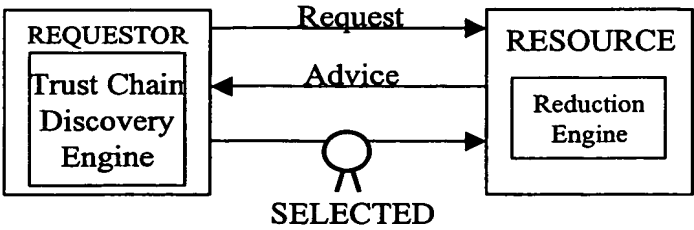
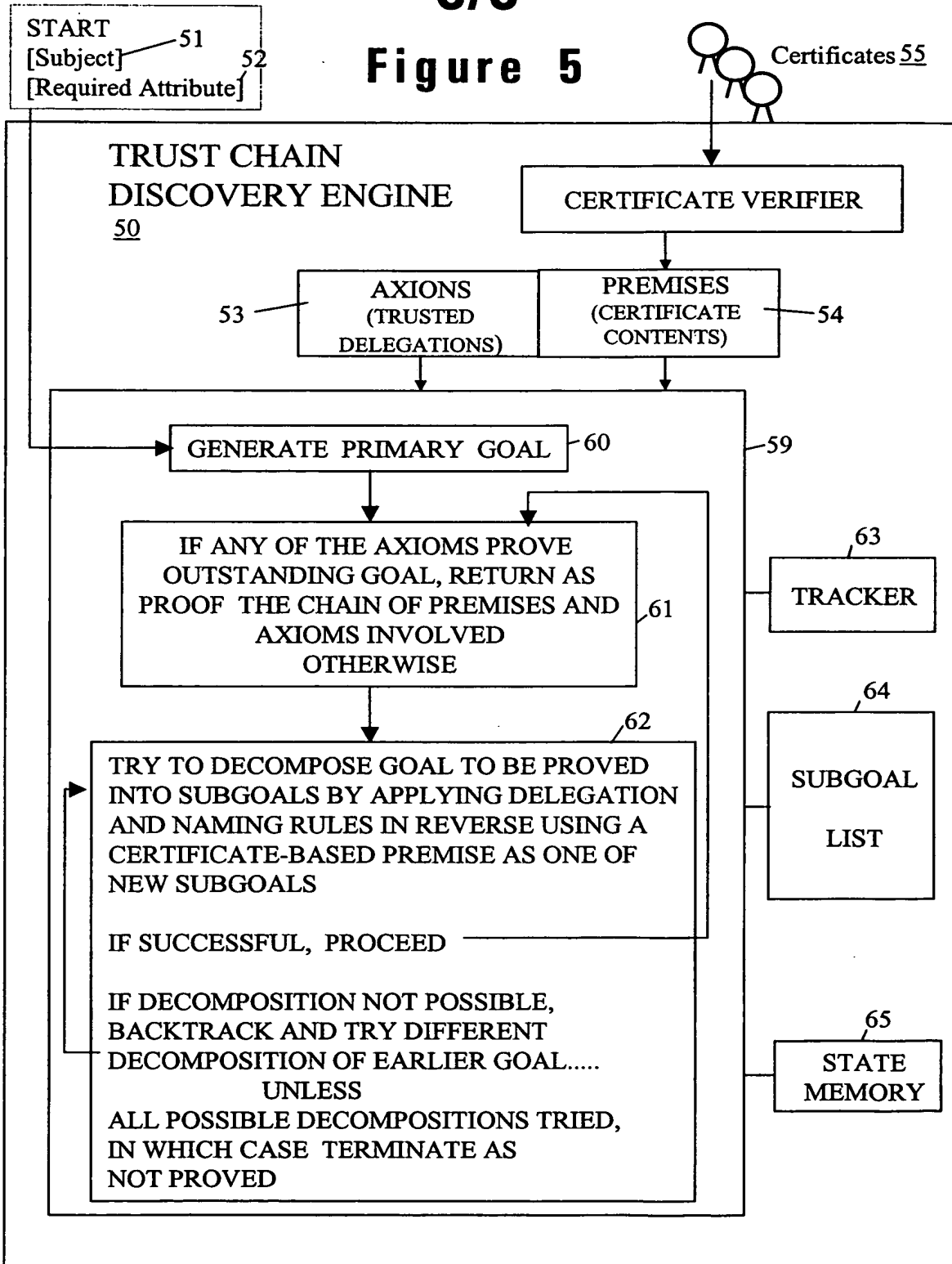


Figure 11

Figure 5

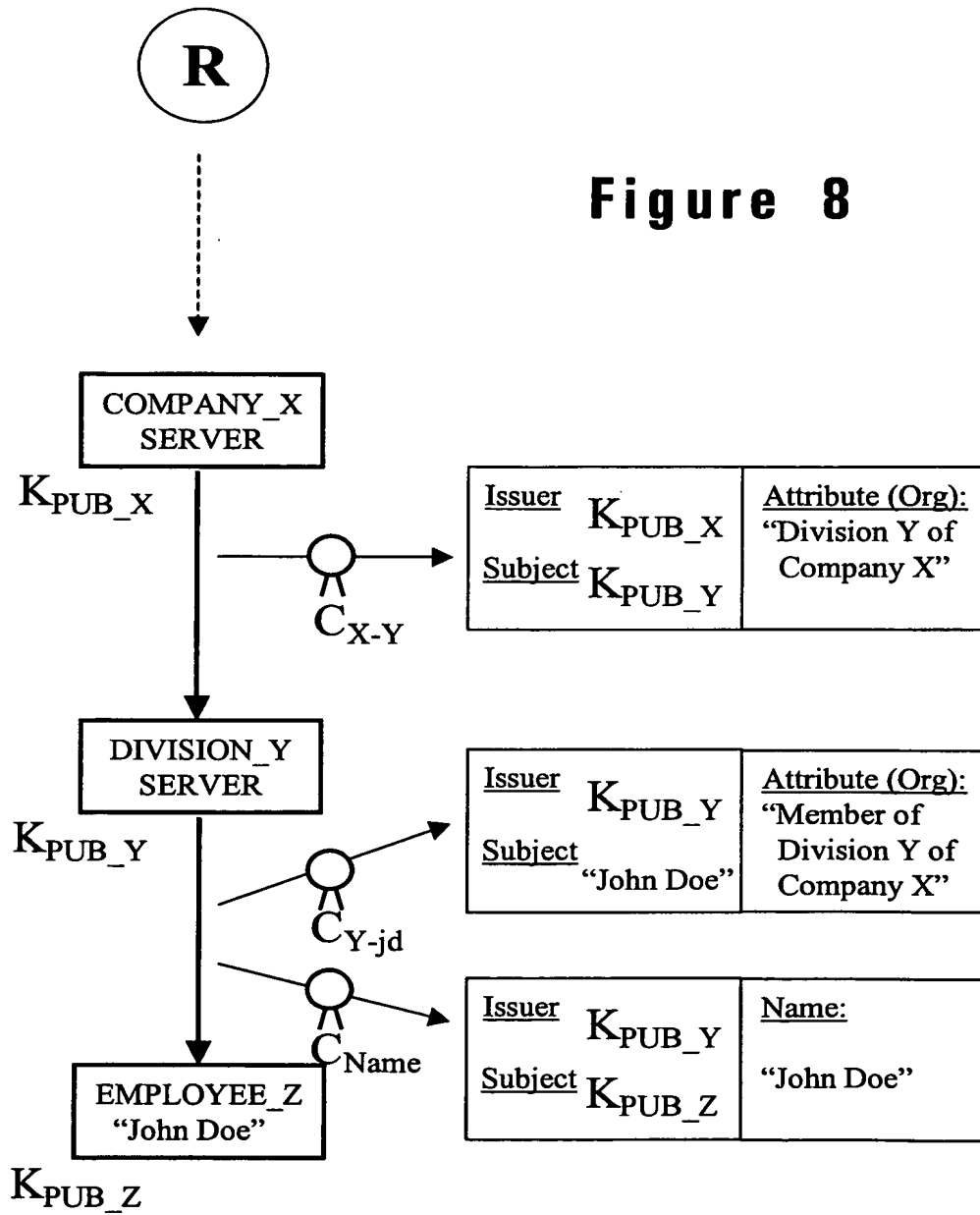




RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES	C_{X-Y} $K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y}$ C_{Y-Z} $K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} K_{PUB_Z}$
RELEVANT AXIOM	$SELF \xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	<pre> graph TD G1["<SELF -> K_PUB_Z>"] G2["<SELF -> K_PUB_Y>"] G3["<K_PUB_Y -> K_PUB_Z>"] G4["<SELF -> K_PUB_X>"] G5["<K_PUB_X -> K_PUB_Y>"] G1 --> G2 G1 --> G3 G2 --> G4 G2 --> G5 J1["JUSTIFIED BY C_Y-Z"] J2["JUSTIFIED BY AXIOM"] J3["JUSTIFIED BY C_X-Y"] G3 --- J1 G4 --- J2 G5 --- J3 </pre>
FIRST DECOMPOSITION	
SECOND DECOMPOSITIN	

Figure 7

Figure 8



RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES	$ \begin{array}{l} C_{X-Y} \quad K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y} \\ C_{Y-jd} \quad K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} \text{"John Doe"} \\ C_{Name} \quad K_{PUB_Y} \cdot [\text{"John Doe"}] = K_{PUB_Z} \end{array} $
RELEVANT AXIOM	$SELF \xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	$\langle SELF \rightarrow K_{PUB_Z} \rangle$
FIRST DECOMPOSITION	$\langle SELF \rightarrow \text{"John Doe"} \rangle \langle \text{"John Doe"} \rightarrow K_{PUB_Z} \rangle$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">JUSTIFIED BY C_{Name}</div>
SECOND DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_Y} \rangle \langle K_{PUB_Y} \rightarrow \text{"John Doe"} \rangle$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">JUSTIFIED BY C_{Y-jd}</div>
THIRD DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_X} \rangle \langle K_{PUB_X} \rightarrow K_{PUB_Y} \rangle$ <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">JUSTIFIED BY AXIOM</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">JUSTIFIED BY C_{X-Y}</div> </div>

Figure 9

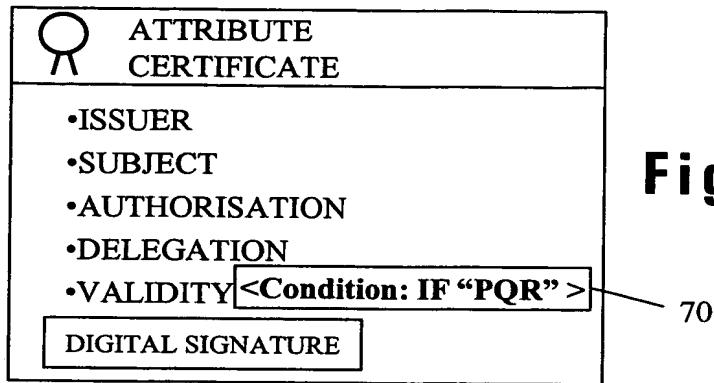


Figure 12

